

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006470.D
 Acq On : 13 Dec 2018 03:19
 Operator : JC/MD
 Sample : J6193-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-121018-E

Quant Time: Dec 13 06:58:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	668654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1044058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	968721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	470087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	349663	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	5.51	113	317633	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	8.71	98	1246318	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	463156	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

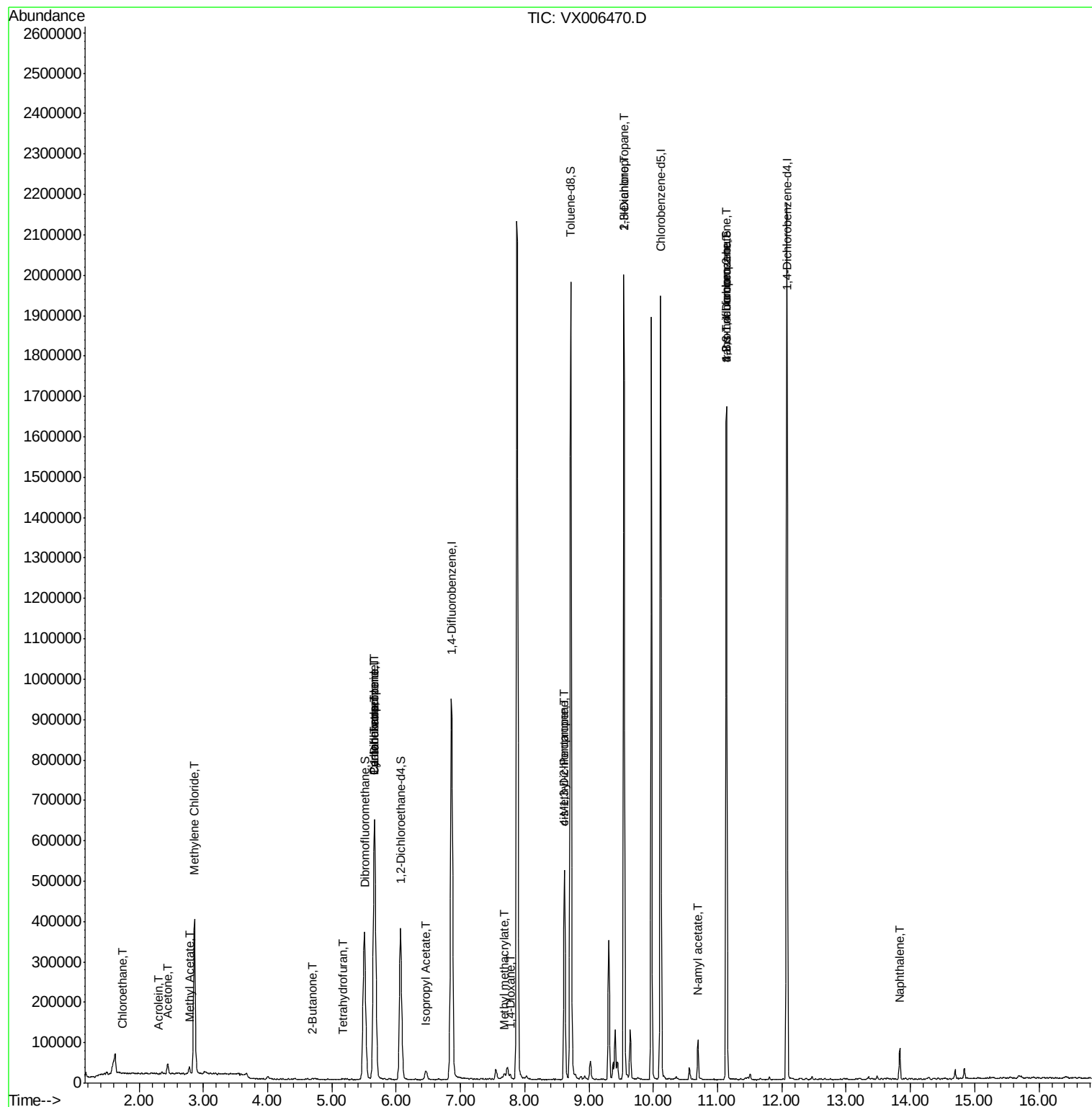
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	925	0.208	ug/l #	42
13) Acrolein	2.30	56	384	0.376	ug/l #	69
16) Acetone	2.45	43	28297	8.834	ug/l	92
18) Methyl Acetate	2.78	43	20321	1.897	ug/l #	90
20) Methylene Chloride	2.86	84	176558	25.898	ug/l	92
25) 2-Butanone	4.70	43	5308	1.161	ug/l #	84
29) Tetrahydrofuran	5.17	42	1573	0.495	ug/l	95
31) Cyclohexane	5.67	56	10865	1.102	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	43510	4.949	ug/l #	48
38) Carbon Tetrachloride	5.66	117	62225	6.016	ug/l #	17
43) Isopropyl Acetate	6.46	43	32029	1.951	ug/l	96
48) Methyl methacrylate	7.68	41	17787	2.227	ug/l #	13
49) 1,4-Dioxane	7.77	88	72	0.366	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	167271	17.503	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	90772	7.986	ug/l #	58
57) 1,3-Dichloropropane	9.54	76	17776	1.597	ug/l #	43
59) 2-Hexanone	9.54	43	216077	29.595	ug/l #	50
74) N-amyl acetate	10.69	43	20527	1.468	ug/l #	58
76) 1,2,3-Trichloropropane	11.13	75	209885	23.132	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	209885	54.284	ug/l #	15
95) Naphthalene	13.83	128	48585	1.346	ug/l	99

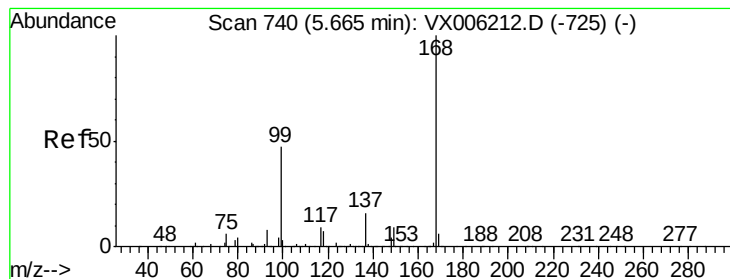
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

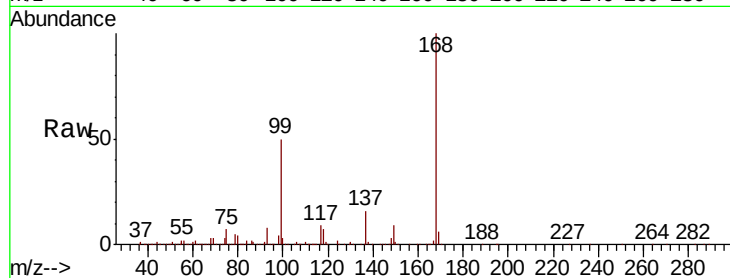
CL-01-121018-E

Tot Ion:168 Resp: 668654

Ion Ratio Lower Upper

168 100

99 49.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

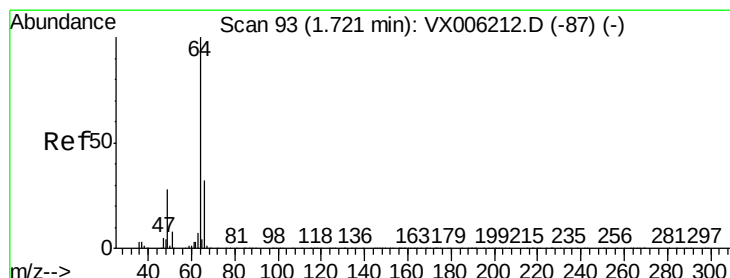
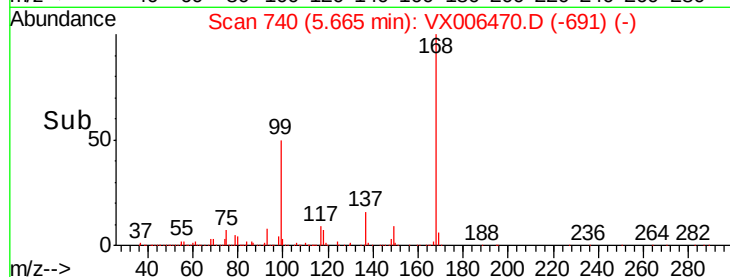
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.208 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006470.D

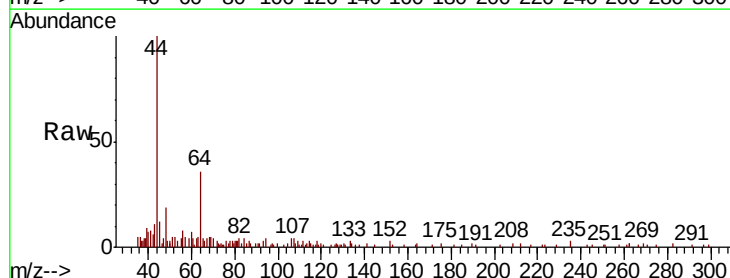
Acq: 13 Dec 2018 03:19

Tgt Ion: 64 Resp: 925

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

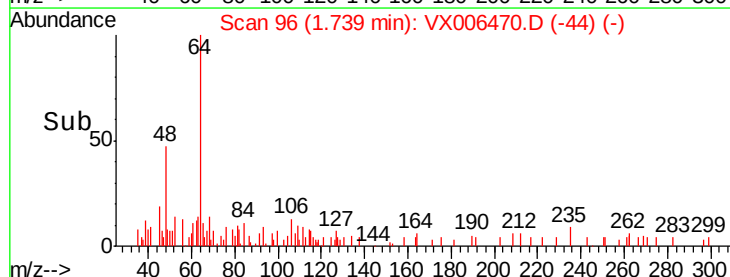
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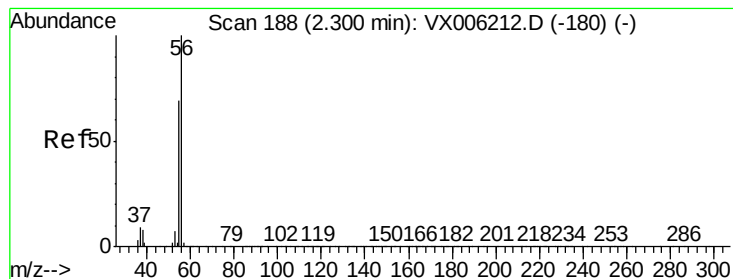
500

0

1.72 1.74 1.76

Time-->





#13

Acrolein

Concen: 0.376 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

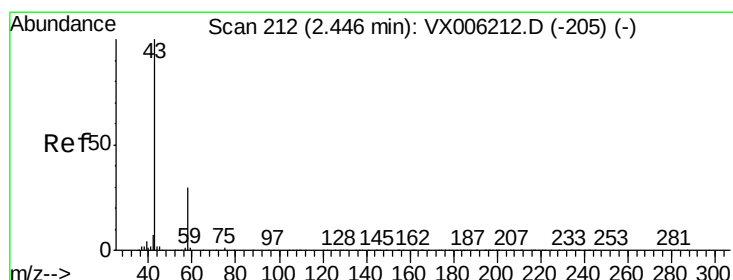
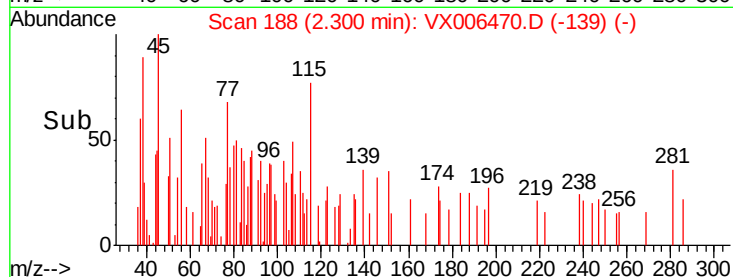
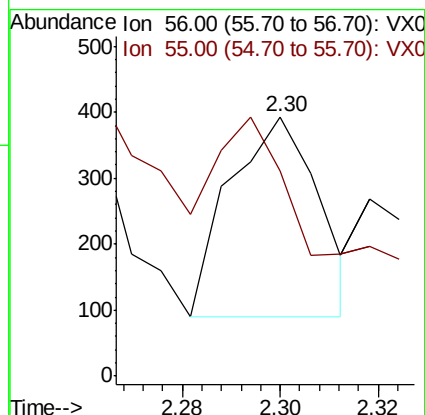
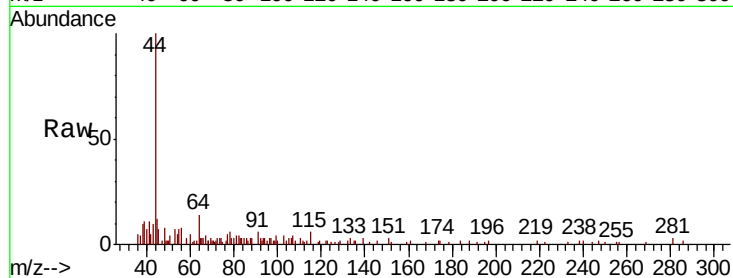
CL-01-121018-E

Tot Ion: 56 Resp: 384

Ion Ratio Lower Upper

56 100

55 46.1 57.8 86.6#



#16

Acetone

Concen: 8.834 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006470.D

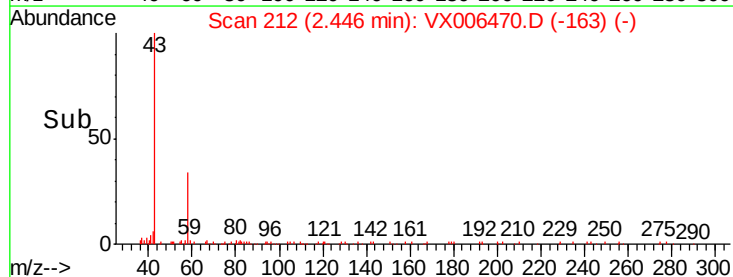
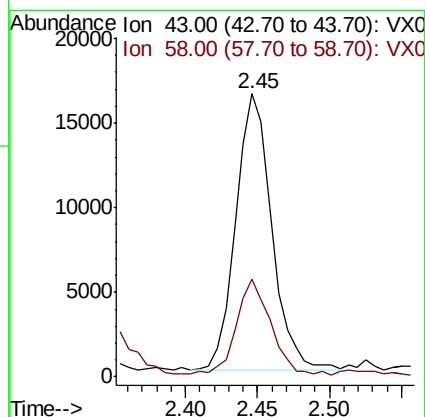
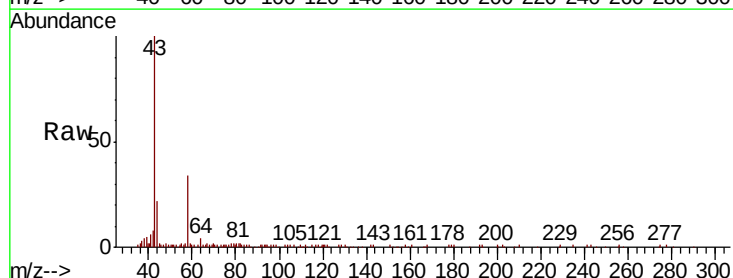
Acq: 13 Dec 2018 03:19

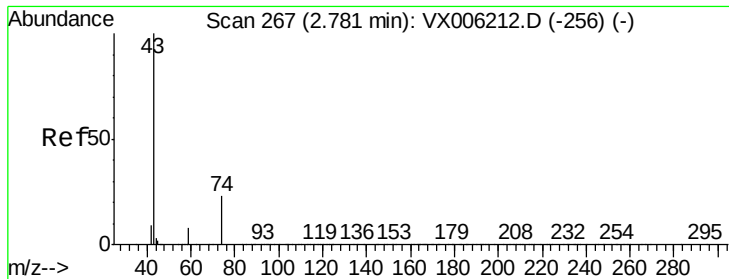
Tgt Ion: 43 Resp: 28297

Ion Ratio Lower Upper

43 100

58 34.1 24.0 36.0

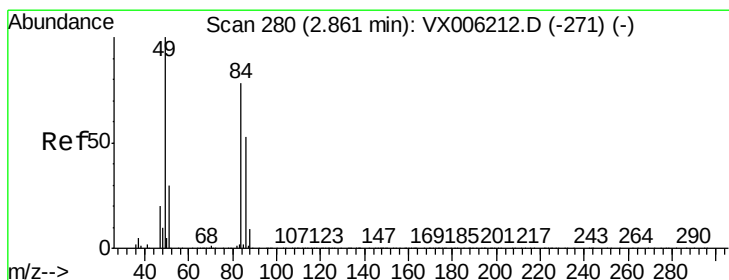
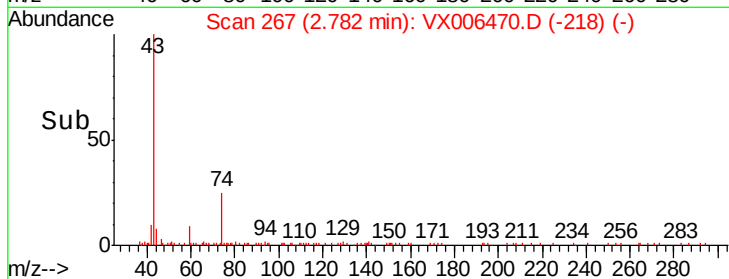
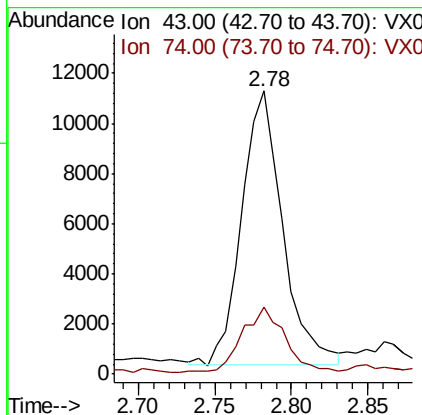
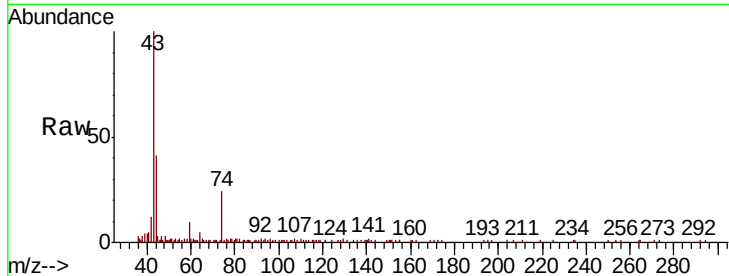




#18
Methyl Acetate
Concen: 1.897 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

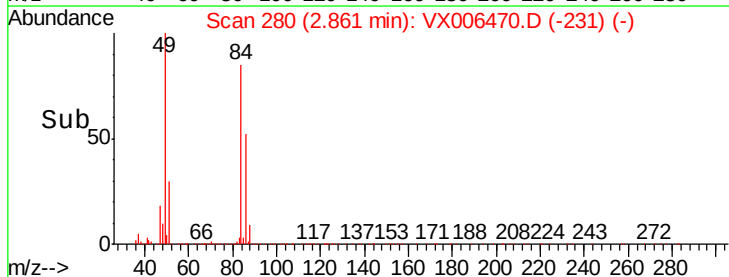
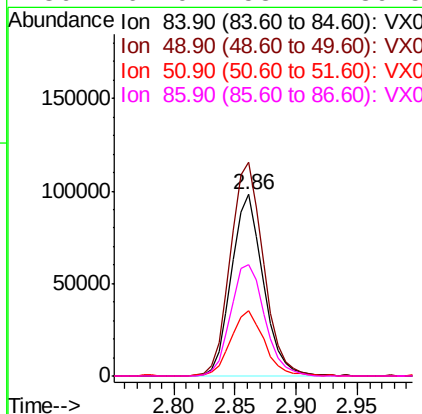
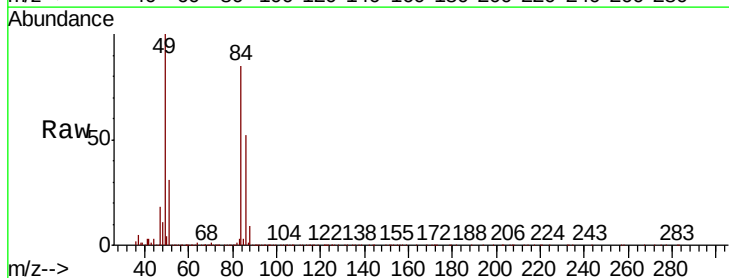
Instrument :
MSVOA_X
ClientSampleId :
CL-01-121018-E

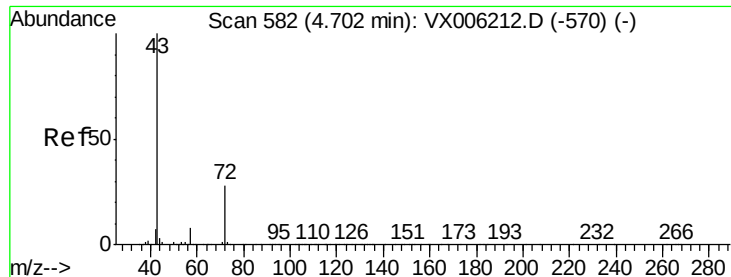
Tot Ion: 43 Resp: 20321
Ion Ratio Lower Upper
43 100
74 27.3 17.9 26.9#



#20
Methylene Chloride
Concen: 25.898 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Tgt Ion: 84 Resp: 176558
Ion Ratio Lower Upper
84 100
49 117.6 102.2 153.4
51 35.8 31.1 46.7
86 61.0 53.7 80.5





#25

2-Butanone

Concen: 1.161 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampled :

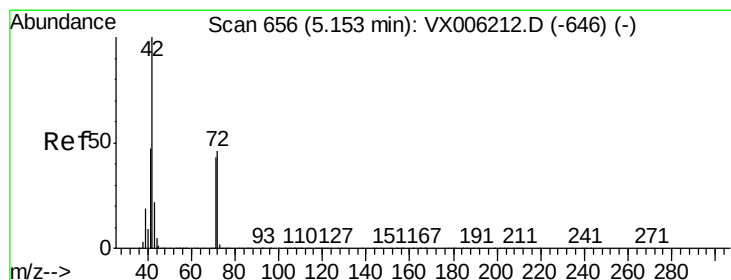
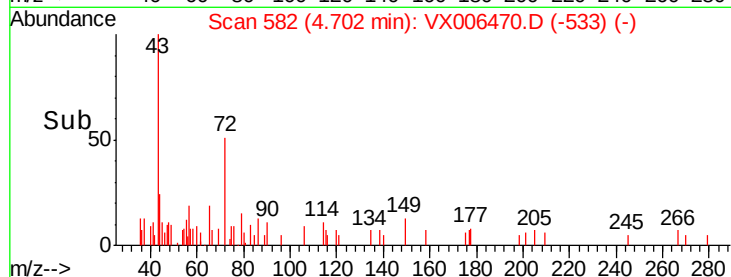
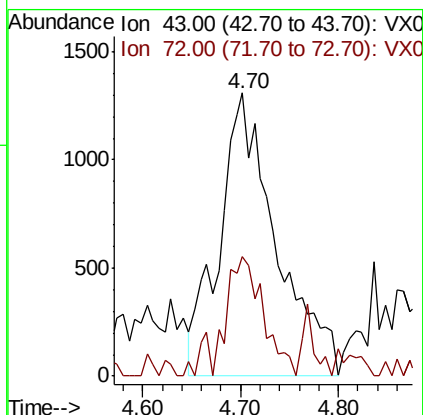
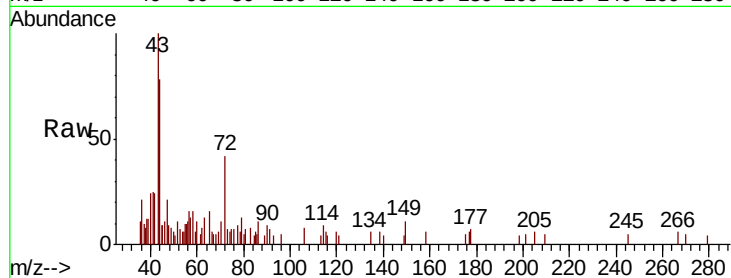
CL-01-121018-E

Tot Ion: 43 Resp: 5308

Ion Ratio Lower Upper

43 100

72 36.9 22.6 33.8#



#29

Tetrahydrofuran

Concen: 0.495 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

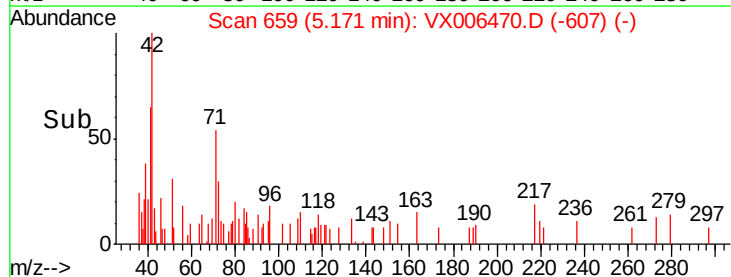
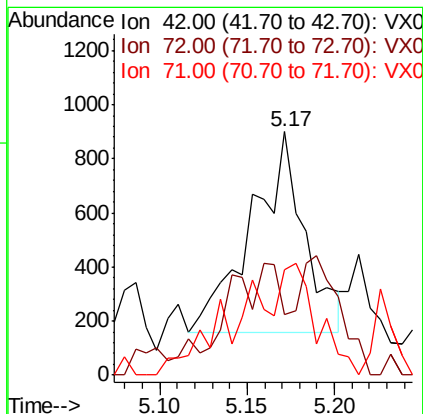
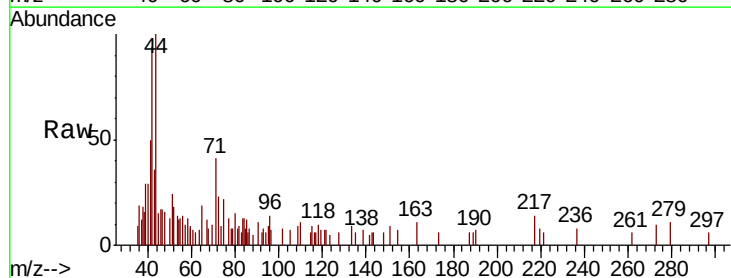
Tgt Ion: 42 Resp: 1573

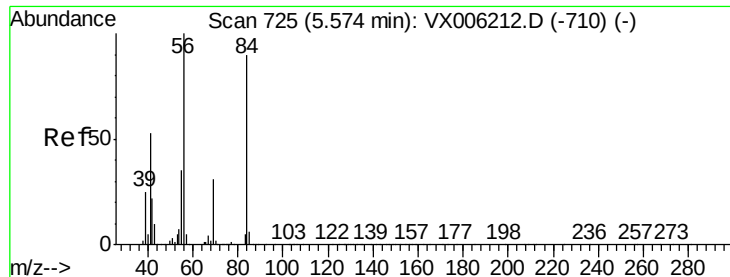
Ion Ratio Lower Upper

42 100

72 46.7 37.8 56.8

71 37.4 35.2 52.8

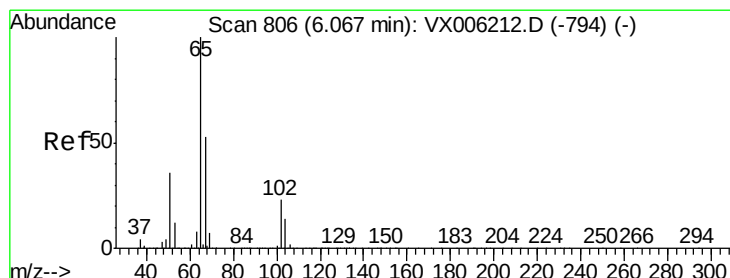
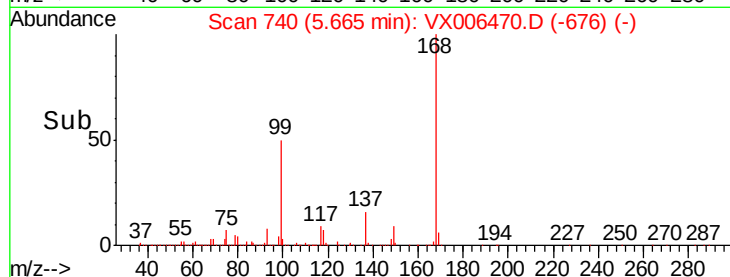
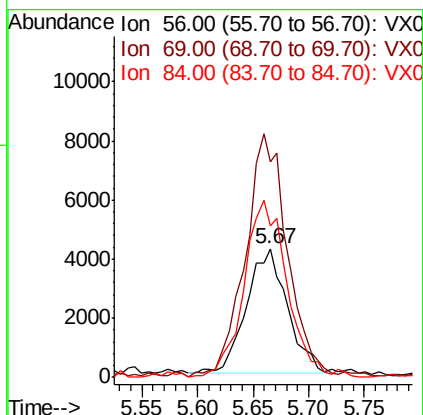
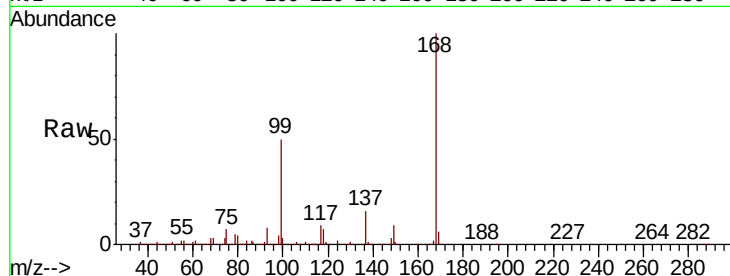




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

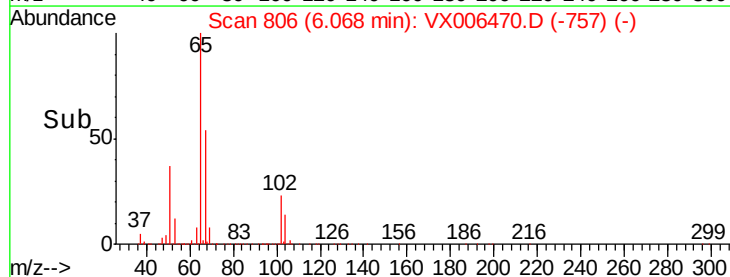
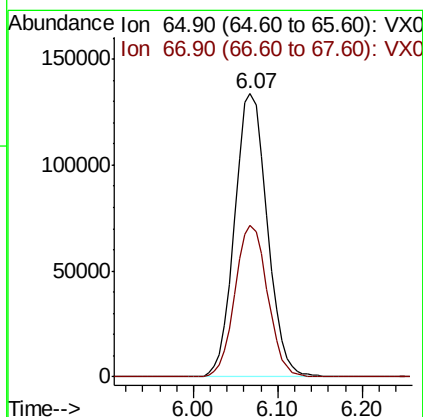
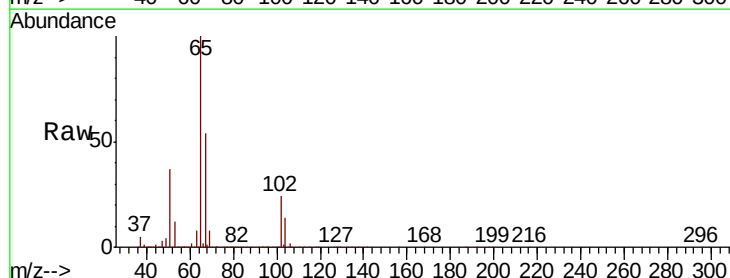
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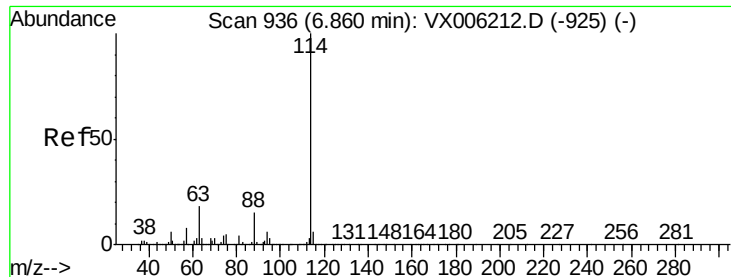
Tot Ion: 56 Resp: 10865
Ion Ratio Lower Upper
56 100
69 174.8 24.5 36.7#
84 122.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.226 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Tgt Ion: 65 Resp: 349663
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2



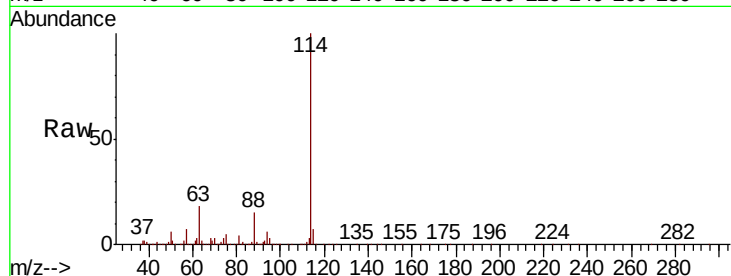


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006470.D
 Acq: 13 Dec 2018 03:19

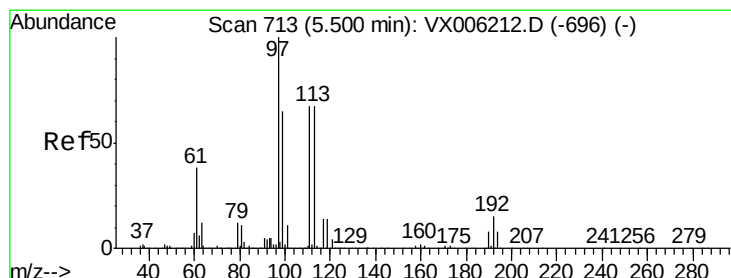
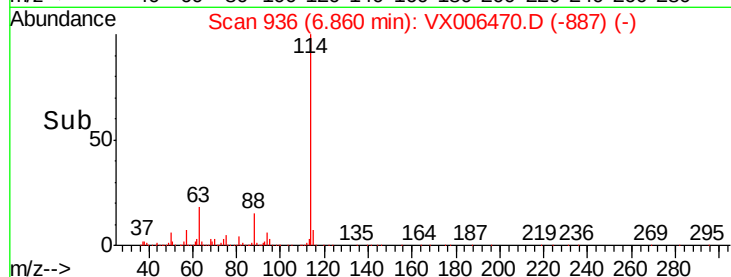
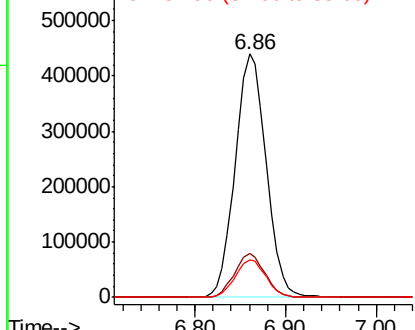
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-121018-E

Tot Ion:114 Resp: 1044058

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.6
88	15.2	0.0	29.0



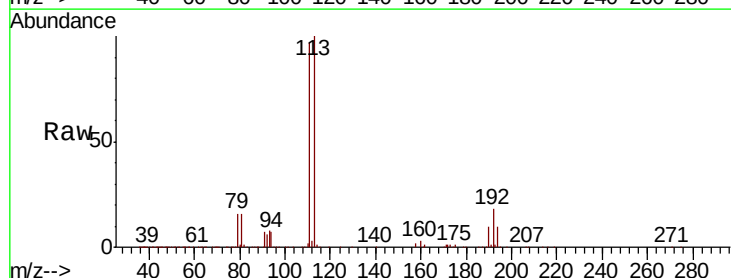
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0



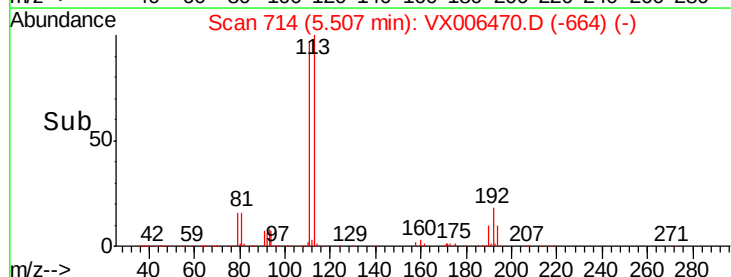
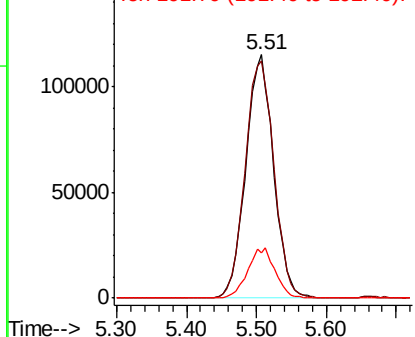
#35
 Dibromofluoromethane
 Concen: 46.988 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006470.D
 Acq: 13 Dec 2018 03:19

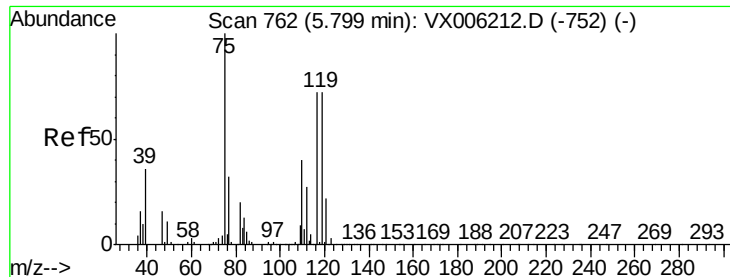
Tgt Ion:113 Resp: 317633

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	20.4	18.2	27.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

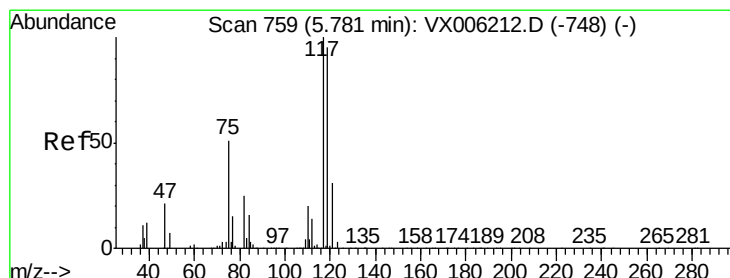
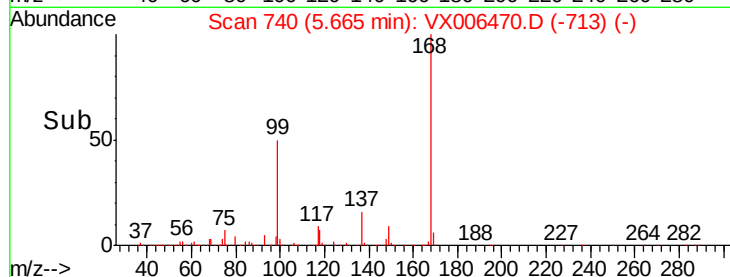
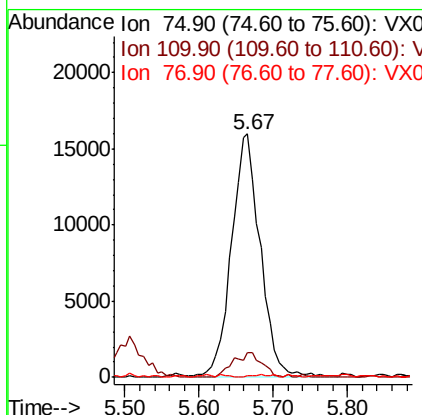
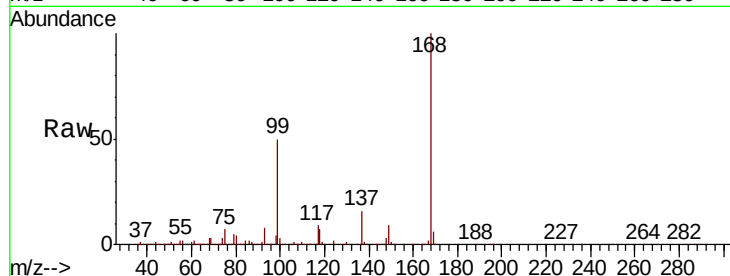




#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006470.D
 Acq: 13 Dec 2018 03:19

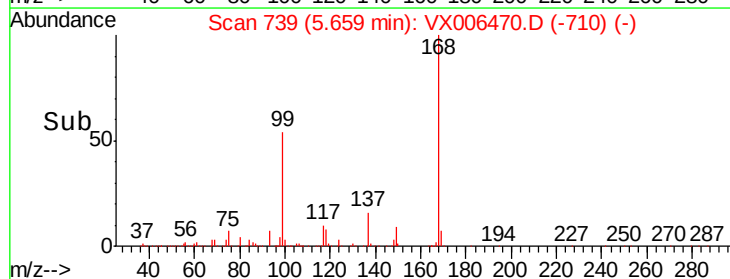
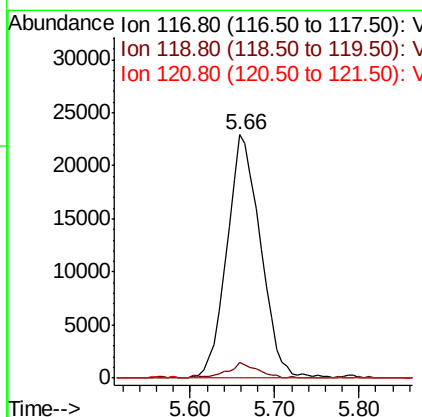
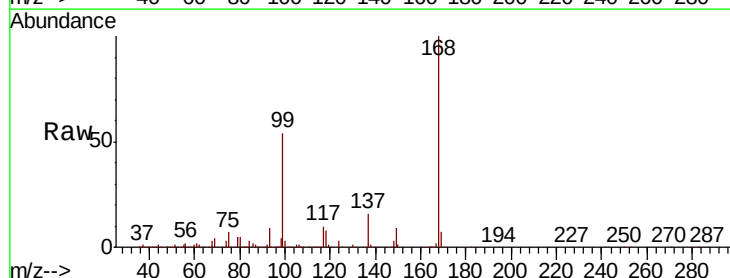
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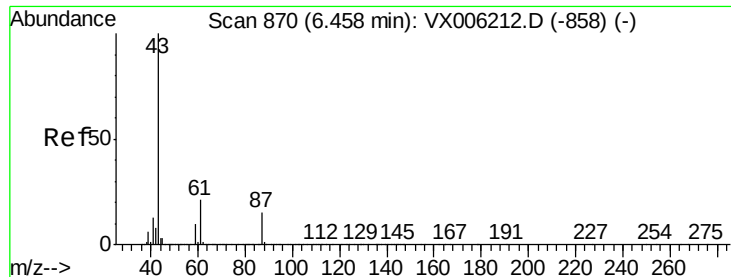
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.4	61.3#
77	0.6	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.016 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006470.D
 Acq: 13 Dec 2018 03:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 1.951 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

CL-01-121018-E

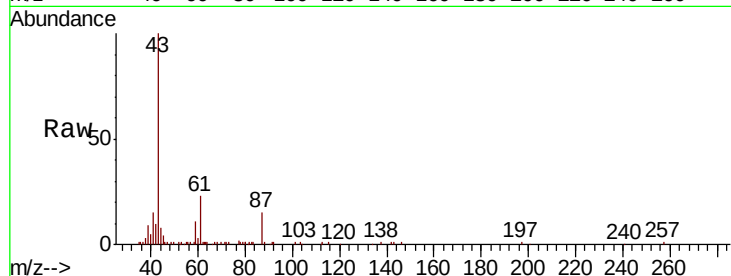
Tot Ion: 43 Resp: 32029

Ion Ratio Lower Upper

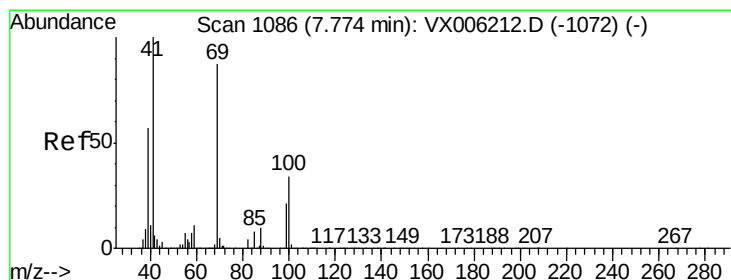
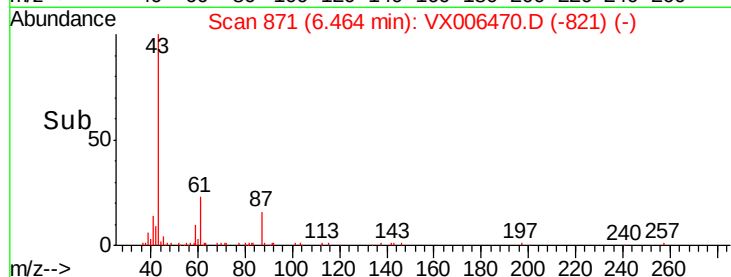
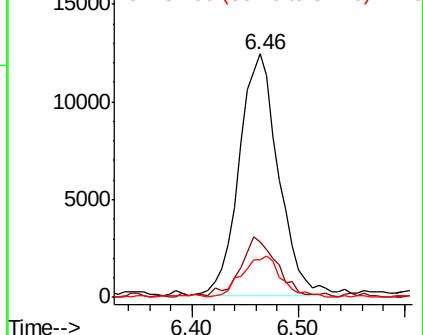
43 100

61 22.1 16.8 25.2

87 17.4 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 2.227 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

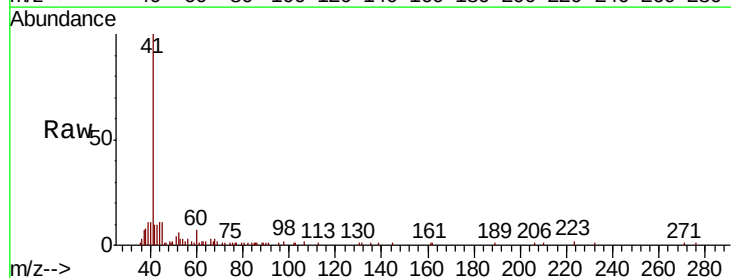
Tgt Ion: 41 Resp: 17787

Ion Ratio Lower Upper

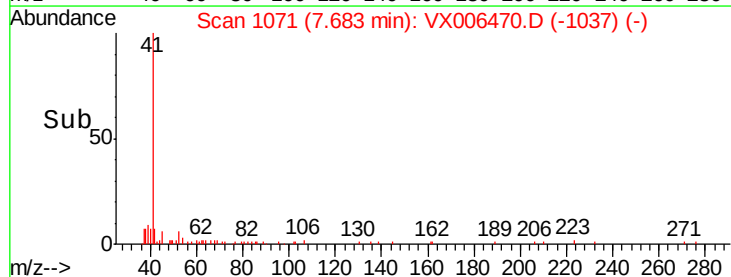
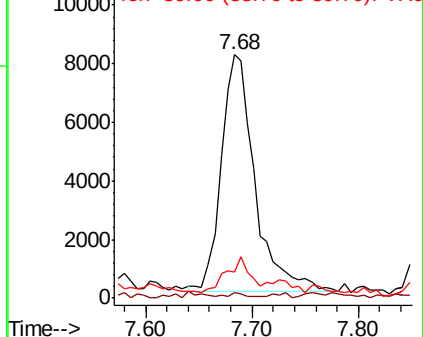
41 100

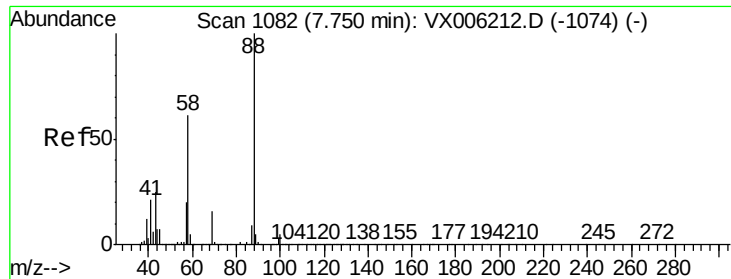
69 1.3 70.3 105.5#

39 0.0 45.3 67.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

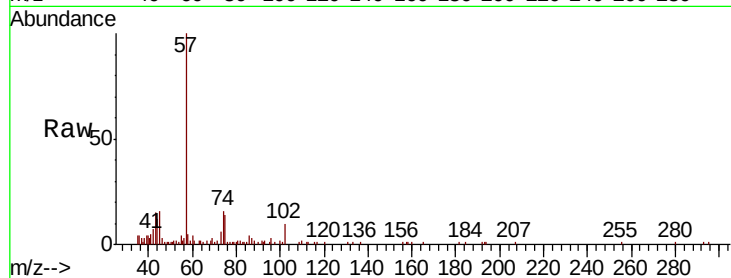




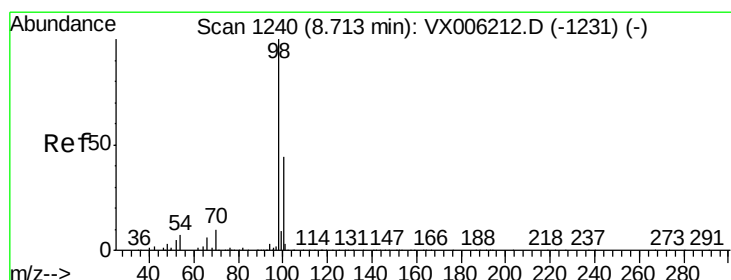
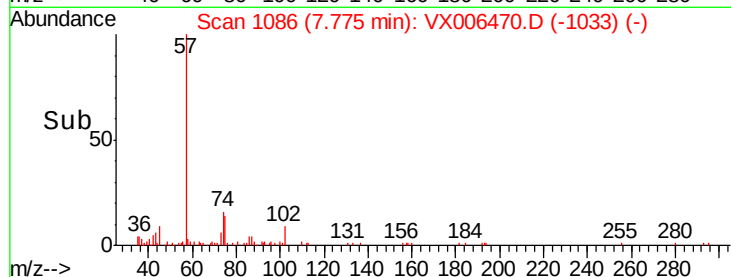
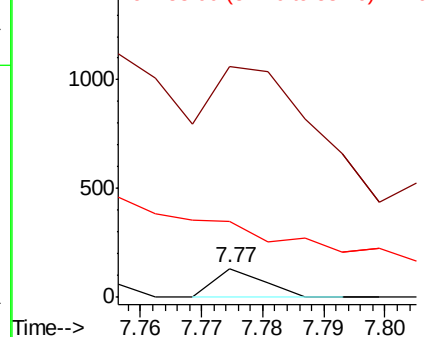
#49
1,4-Dioxane
Concen: 0.366 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.02 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Instrument :
MSVOA_X
ClientSampleId :
CL-01-121018-E

Tot Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 663.9 51.4 77.0#

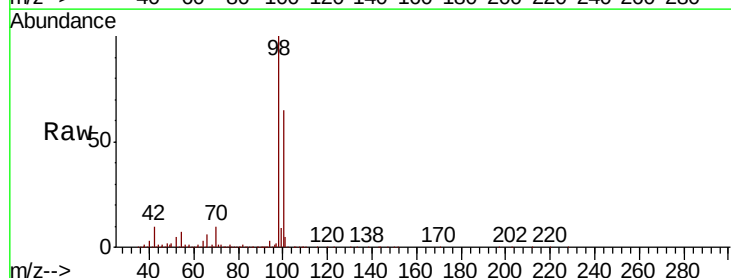


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

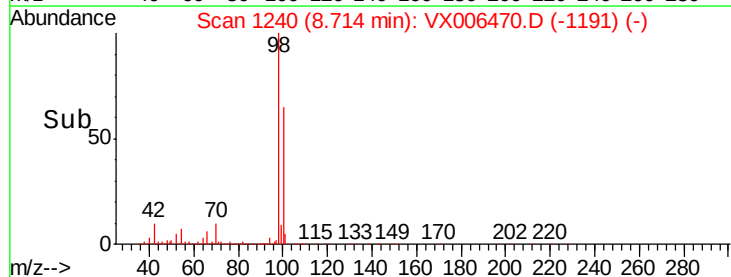
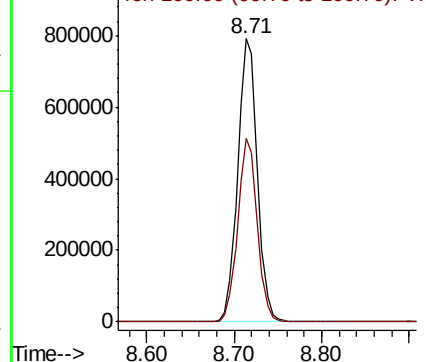


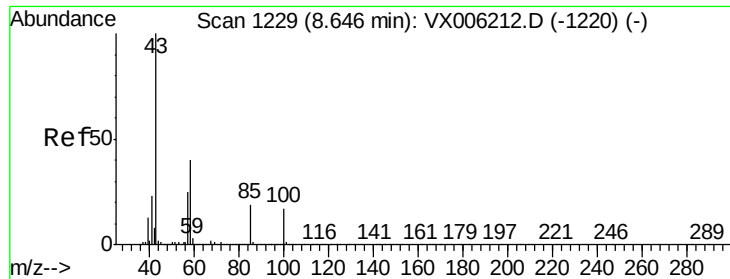
#50
Toluene-d8
Concen: 50.687 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Tgt Ion: 98 Resp: 1246318
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 17.503 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

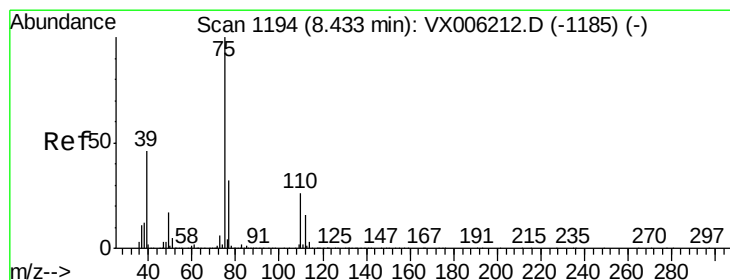
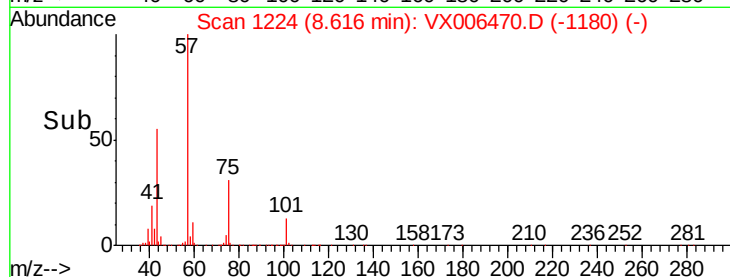
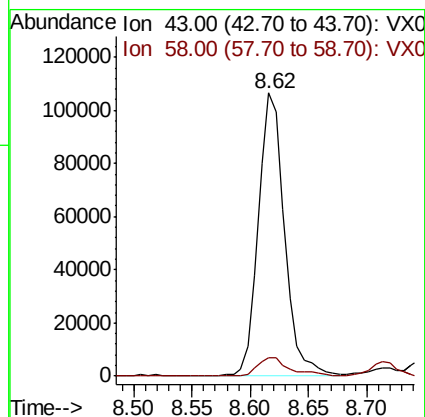
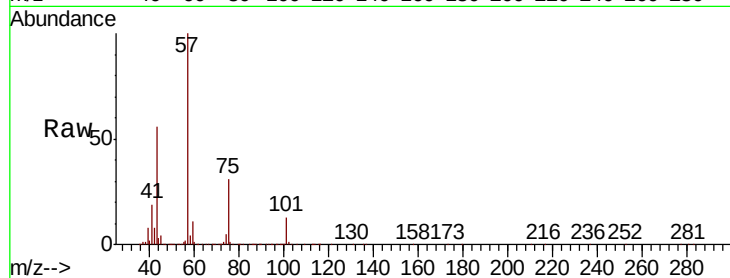
CL-01-121018-E

Tot Ion: 43 Resp: 167271

Ion Ratio Lower Upper

43 100

58 8.1 31.3 46.9#



#54

cis-1,3-Dichloropropene

Concen: 7.986 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

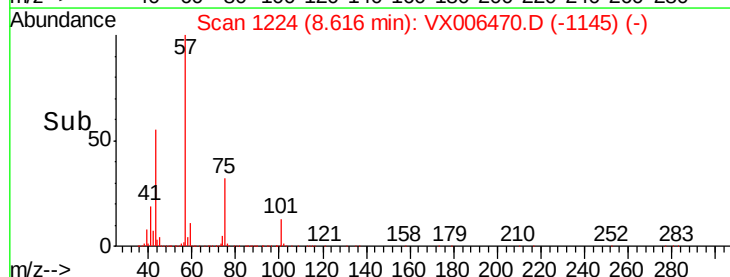
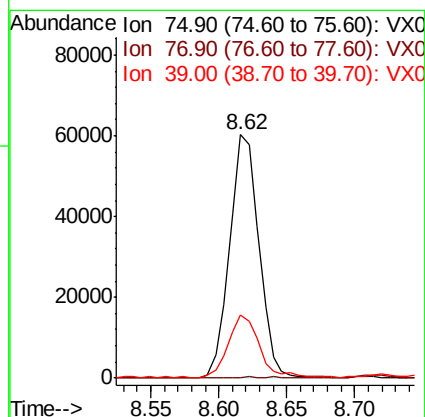
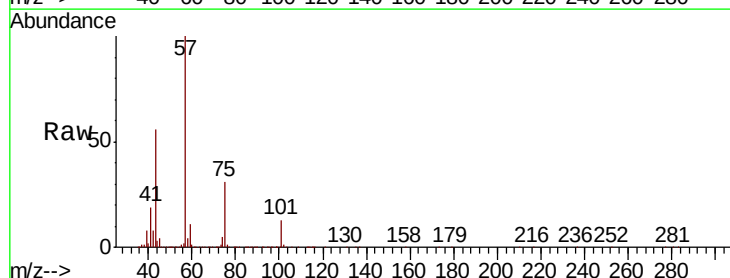
Tgt Ion: 75 Resp: 90772

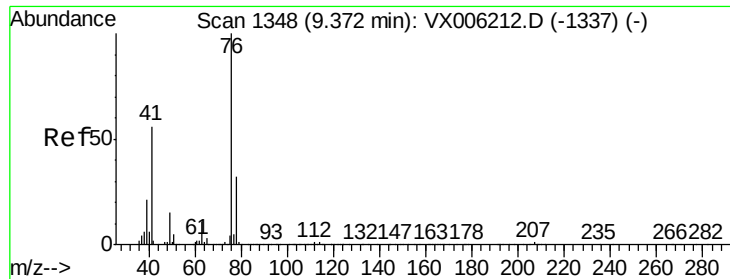
Ion Ratio Lower Upper

75 100

77 0.1 25.6 38.4#

39 25.4 36.5 54.7#





#57

1,3-Dichloropropane

Concen: 1.597 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

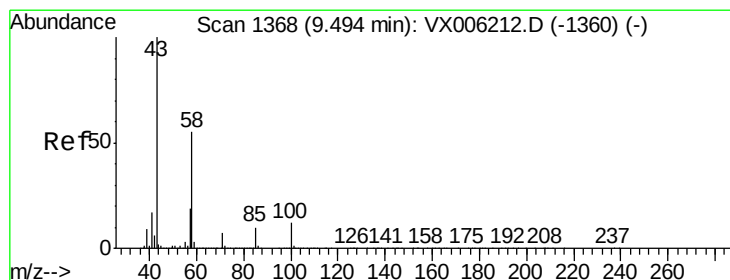
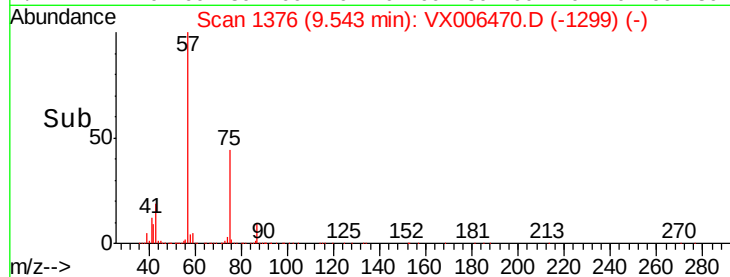
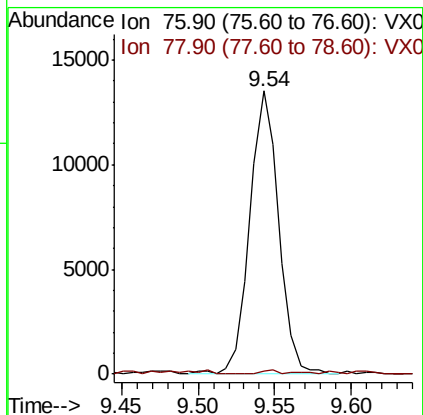
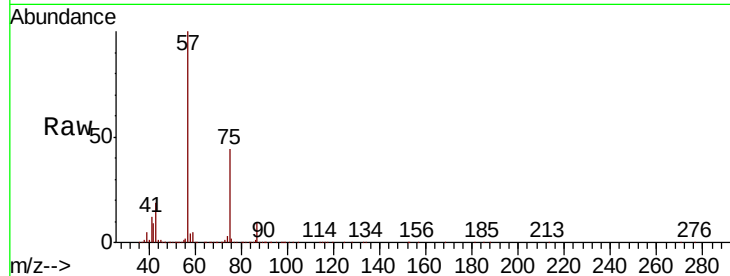
CL-01-121018-E

Tot Ion: 76 Resp: 17776

Ion Ratio Lower Upper

76 100

78 0.8 26.1 39.1#



#59

2-Hexanone

Concen: 29.595 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006470.D

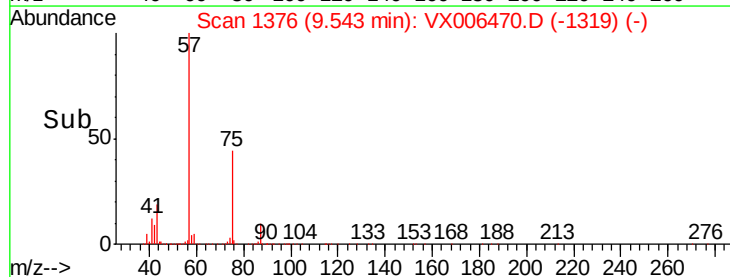
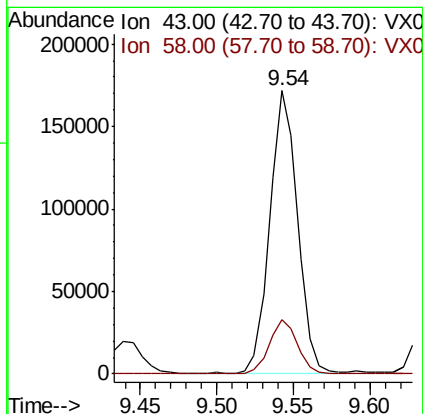
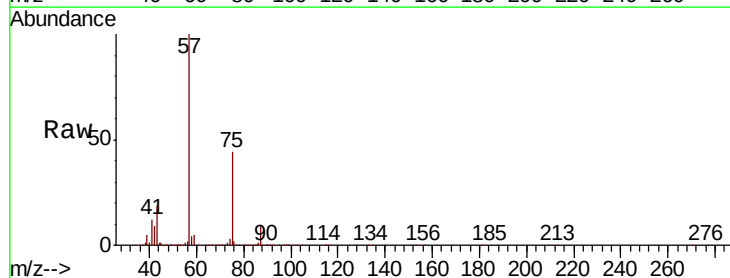
Acq: 13 Dec 2018 03:19

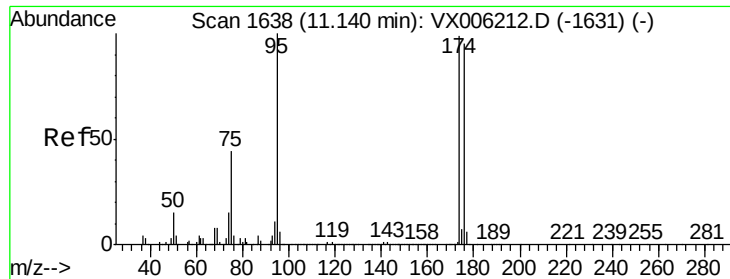
Tgt Ion: 43 Resp: 216077

Ion Ratio Lower Upper

43 100

58 19.4 27.7 83.1#





#62

4-Bromofluorobenzene

Concen: 49.986 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

CL-01-121018-E

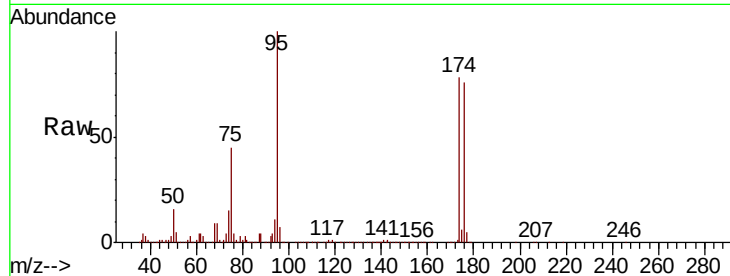
Tot Ion: 95 Resp: 463156

Ion Ratio Lower Upper

95 100

174 86.6 0.0 187.0

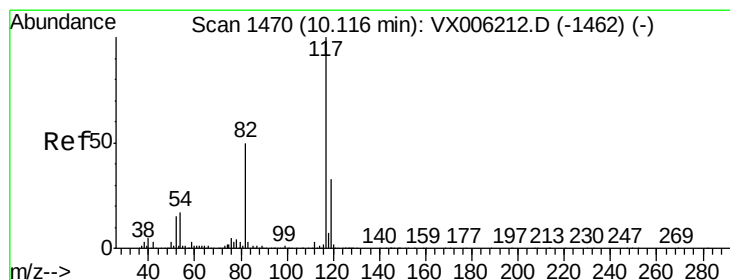
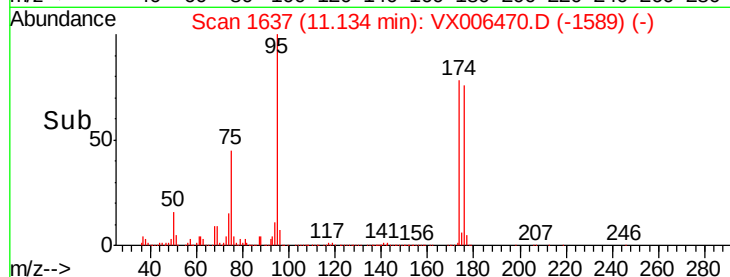
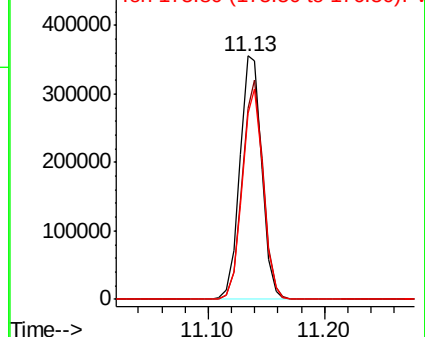
176 83.6 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

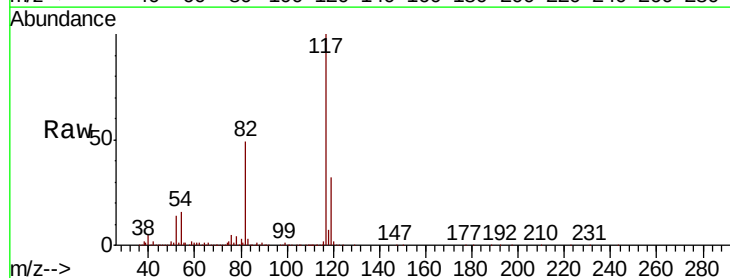
Tgt Ion: 117 Resp: 968721

Ion Ratio Lower Upper

117 100

82 48.6 39.6 59.4

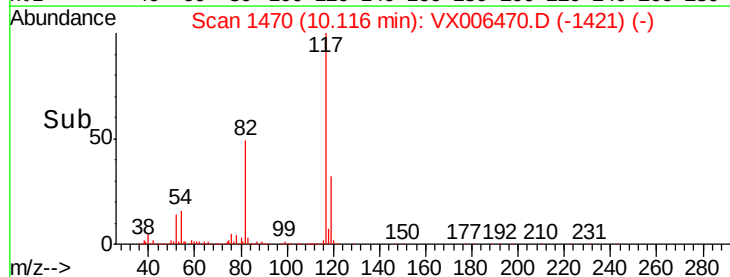
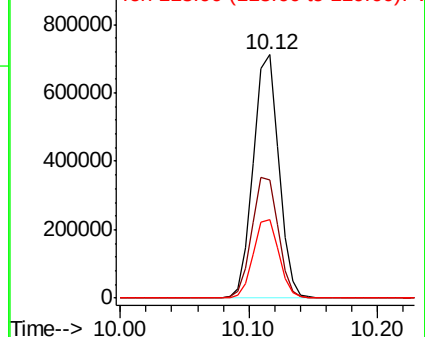
119 32.4 26.3 39.5

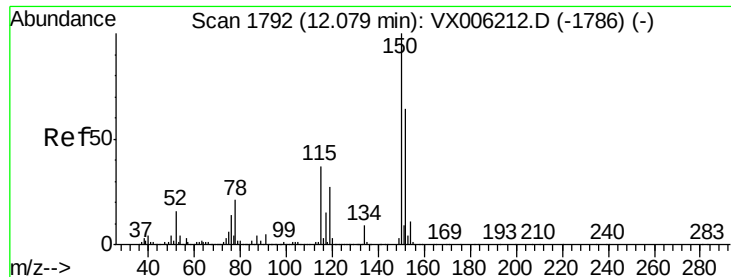


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



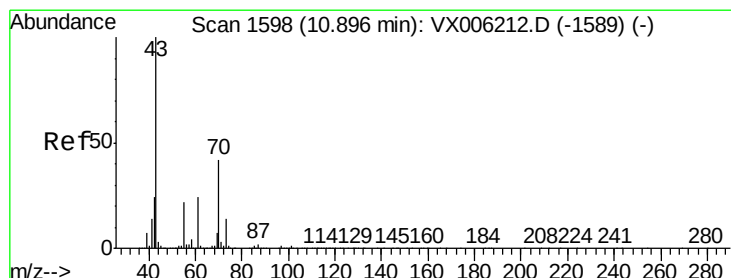
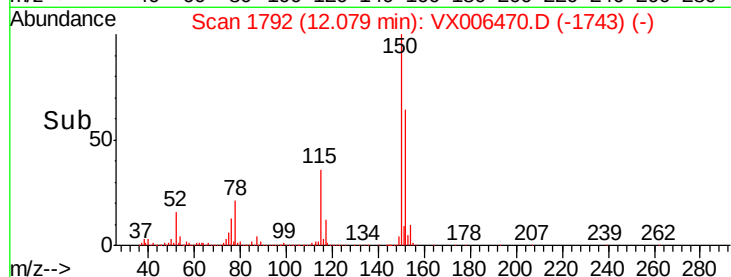
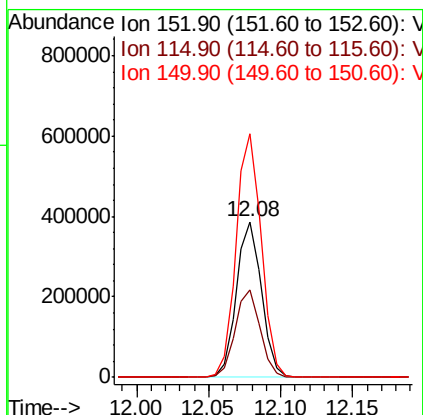
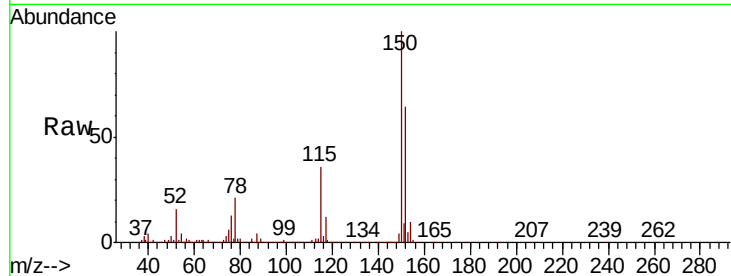


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Instrument :
MSVOA_X
ClientSampleId :
CL-01-121018-E

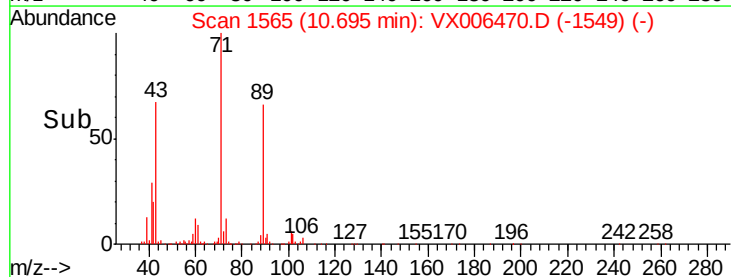
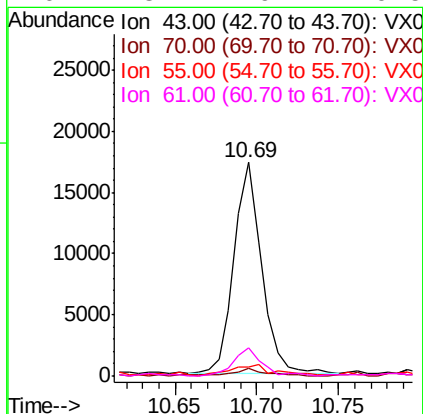
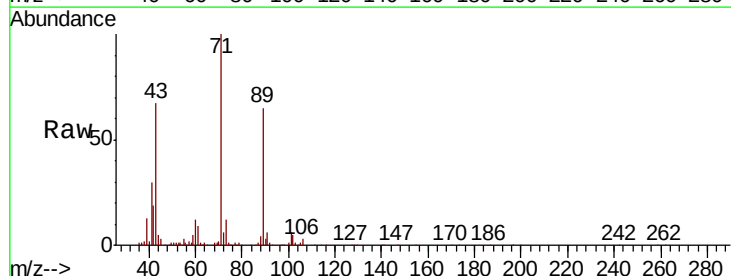
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.5	39.0	116.9
150	157.2	0.0	345.8

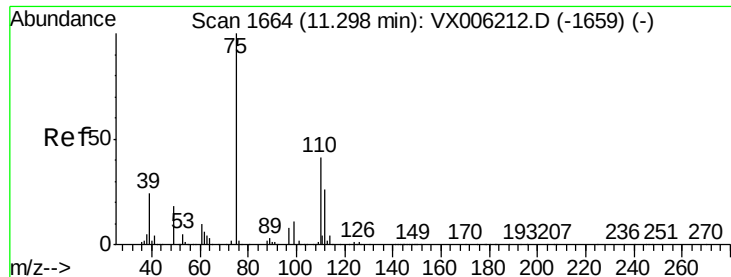


#74

N-ethyl acetate
Concen: 1.468 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	3.8	34.1	51.1#
55	8.6	17.8	26.8#
61	13.7	19.7	29.5#





#76

1,2,3-Trichloropropane

Concen: 23.132 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

Instrument :

MSVOA_X

ClientSampleId :

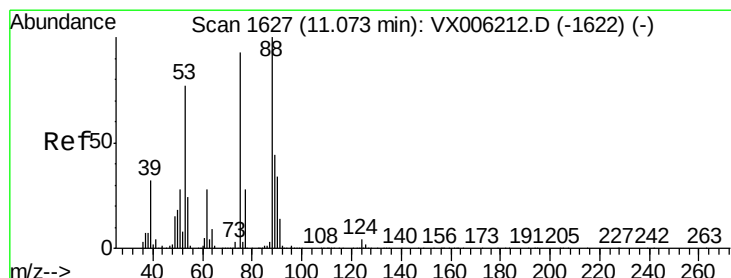
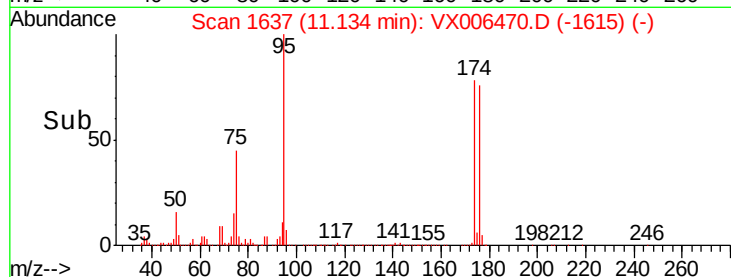
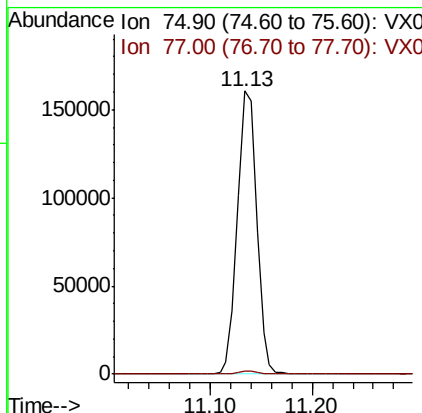
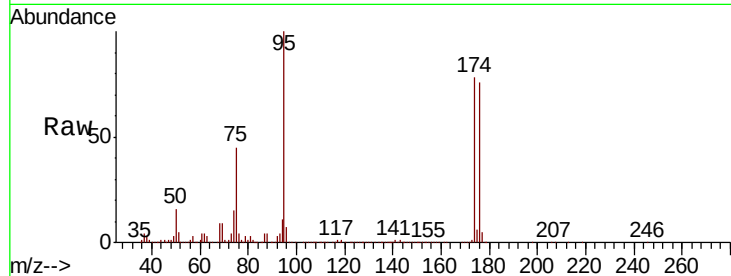
CL-01-121018-E

Tot Ion: 75 Resp: 209885

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.284 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006470.D

Acq: 13 Dec 2018 03:19

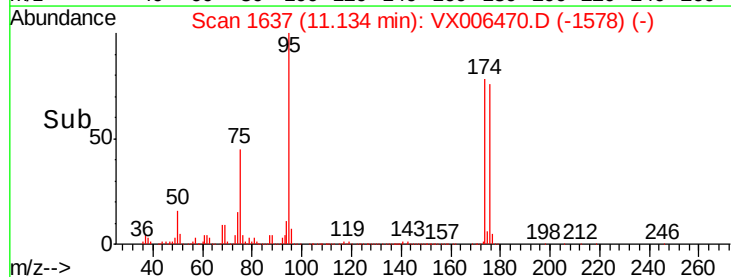
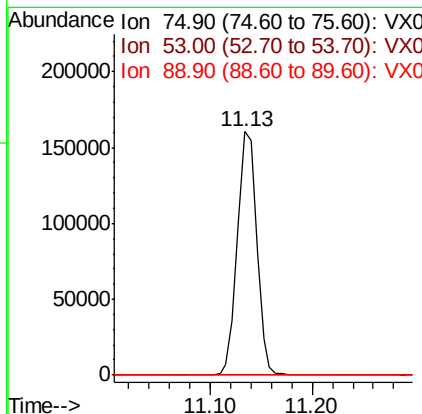
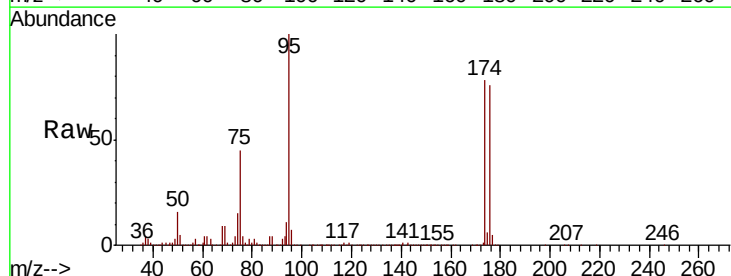
Tgt Ion: 75 Resp: 209885

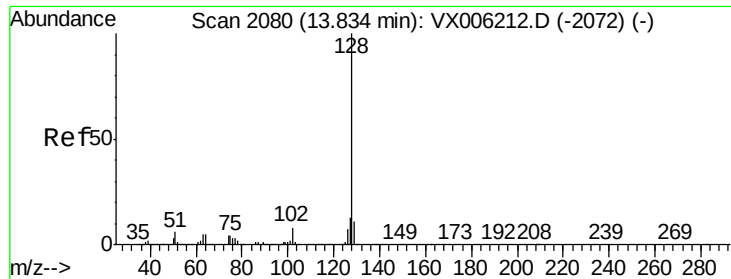
Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

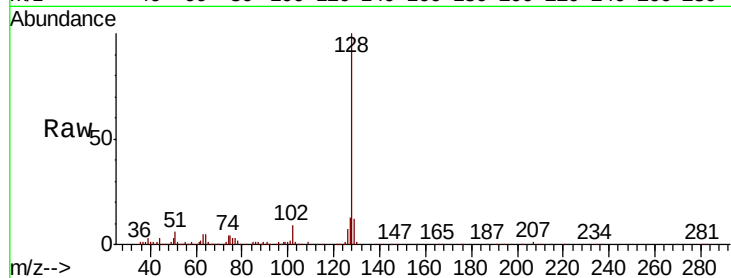




#95
Naphthalene
Concen: 1.346 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006470.D
Acq: 13 Dec 2018 03:19

Instrument :
MSVOA_X
ClientSampleId :
CL-01-121018-E

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	11.0	8.9	13.3



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

